



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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1623  
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JUL 26 2002

Applicant: DeWeerd, et al. :  
Serial No.: 09/980,836 :  
International Serial No.: PCT/US00/16795 :  
International Filing Date: 06/16/00 :  
Atty No.: 60,132-083 :  
Title: SIMULTANEOUS IMAGE :  
ACQUISITIO USING MULTIPLE :  
FLUOROPHORE PROBE DYES :

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97 AND 1.98**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to Rule 97 and in compliance with Rule 56, Applicant hereby makes of record the items listed on the attached Form PTO-1449. Copies of the listed items are enclosed.

Attorney for applicant wishes to bring the Examiner's attention to the following cited references: 4,931,223; 6,007,994 and 5,817,462 which were disclosed through the International Search Report dated September 6, 2000. Attorney has provided copies of these three references as well as additional prior art documents.

None of these items discloses the inventive concepts claimed in the subject application.

Should there be a fee associated with this document, please charge it to Deposit Account No. 08-2789. A duplicate of this paper is enclosed.

Respectfully submitted,

**HOWARD & HOWARD ATTORNEY, P.C.**

July 22<sup>nd</sup> 2002  
Date

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(248) 723-0325

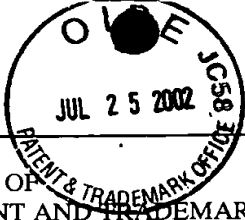
Enclosures:  
PTO-1449 w/ 88 Cited References



**CERTIFICATE OF MAILING**

I hereby certify that this **Information Disclosure Statement** for Serial No. **09/980,836** is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to the U.S. Patent and Trademark Office, Washington, D.C. 20231 on **July 22, 2002**.

Anne L. Kubit  
Anne L. Kubit



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ATTY. DOCKET NO.  
60,132-083

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09/980,836

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APPLICANT:  
DeWeerd et al.

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub- Class	Filing Date
	4 6 2 6 6 8 4	12/02/86	Landa	250	328	07/13/83
	5 8 0 5 3 4 2	09/08/98	Gravely	359	618	10/30/96
	5 3 5 5 2 1 5	10/11/94	Schroeder et al.	356	317	09/30/92
	5 0 9 1 6 5 2	02/25/92	Mathies et al.	250	458.1	06/01/90
	5 8 4 7 0 1 9	12/08/98	Conrad et al.	422	2	03/07/97
	5 7 3 6 2 5 7	04/07/98	Conrad et al.	428	474.4	04/25/95
	5 5 0 6 0 9 8	04/09/96	Zarling et al.	435	6	09/04/91

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub- Class	Filing Date

OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent Pages, etc.)

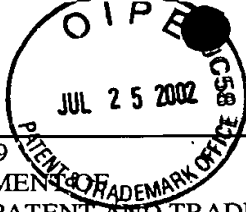

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## U.S. PATENT DOCUMENTS

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	4	2	8	4	8	9	7	08/18/81	Sawamura et al.	250	461	03/31/78
	4	7	3	3	0	6	3	03/22/88	Kimura et al.	250	201	12/15/86
	4	8	2	7	1	2	5	05/02/89	Goldstein	250	234	04/29/87
	5	0	3	5	4	7	6	07/30/91	Ellis et al.	350	6.5	06/15/90
	5	0	6	5	0	0	8	11/12/91	Hakamata et al.	250	216	10/17/90
	5	0	7	2	3	8	2	12/10/91	Kamentsky	364	413.08	10/02/89
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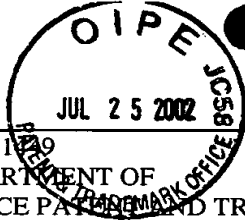
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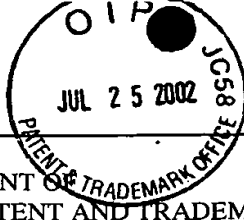

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	5 0 8 4 6 1 2	01/28/92	Iwasaki et al.	250	216	10/22/90
	5 1 2 2 6 5 3	06/16/92	Ohki	250	216	08/09/90
	5 1 2 7 7 3 0	07/07/92	Brelje et al.	356	318	08/10/90
	D 3 6 9 3 5 3	04/30/96	Hofman-IGL	014	116	08/11/94
	5 1 3 2 5 2 6	07/21/92	Iwasaki	250	201.3	04/09/91
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	5	1	4	4	4	7	7	09/01/92	White	359	368	01/30/91
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## FOREIGN PATENT DOCUMENTS

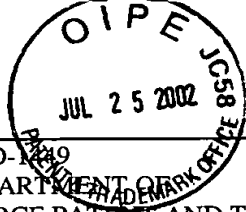
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	5 2 9 6 7 0 3	03/22/94	Tsien	250	235	04/01/92
	5 3 0 4 8 1 0	04/19/94	Amos	250	458.1	07/16/91
	5 3 4 3 0 3 8	08/30/94	Nishiwaki et al.	250	234	12/10/92
	5 3 5 5 2 5 2	10/11/94	Haraguchi	359	369	01/26/93
	5 3 8 1 2 2 4	01/10/95	Dixon et al.	356	72	08/30/93
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Examiner Initial	Document No.	Date	Name	Class	Sub- Class	Filing Date
	5 3 8 9 7 8 3	02/14/95	Shionoya et al.	250	234	06/09/93
	5 4 5 2 3 8 2	09/19/95	Shionoya et al.	385	11	07/25/94
	5 4 5 9 3 2 5	10/17/95	Hueton et al.	250	458.1	07/19/94
	5 5 3 5 0 5 2	07/09/96	Jorgens	359	388	07/14/93
	5 5 5 7 1 1 3	09/17/96	Moorhouse et al.	250	559.38	02/18/94
	5 5 7 8 8 1 8	11/26/96	Kain et al.	250	234	05/10/95
	5 4 2 4 8 4 1	06/13/95	Van Gelder et al.	356	417	05/28/93

## FOREIGN PATENT DOCUMENTS

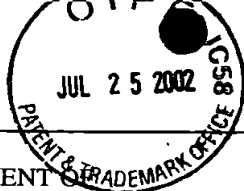
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	5	0	3	7	2	0	7	08/06/91	Tomei et al.	356	444	03/28/88
	4	9	7	2	2	5	8	11/20/90	Wolf et al.	358	93	07/31/89
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	5	6	6	8	6	4	4	09/16/97	Kuroina et al.	358	480	03/29/95
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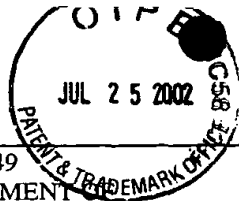
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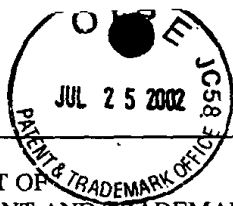
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		APPLICANT: DeWeerd et al.										
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE 04/16/02		GROUP: 1623								
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	5	5	5	7	4	5	2	09/17/96	Harris	359	368	02/06/95
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	5	5	7	3	9	0	9	11/12/96	Singer et al.	435	6	05/20/94
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	5	5	8	3	3	4	2	12/10/96	Ichie	250	459.1	09/07/95
	5	5	8	7	8	3	2	12/24/96	Krause	359	385	10/20/93
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FOREIGN PATENT DOCUMENTS												
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	5 5 9 4 2 3 5	01/14/97	Lee	250	201.3	06/07/95
	5 6 1 4 7 0 8	03/25/97	Koishi et al.	250	244	01/25/96
	5 6 3 1 7 3 4	05/20/97	Stern et al.	356	317	02/10/94
	5 6 4 6 4 1 1	07/08/97	Kain et al.	250	458.1	02/01/96
	5 6 4 8 2 2 1	07/15/97	Suga	435	7.21	06/14/94
	5 6 7 2 8 8 0	09/30/97	Kain	250	458.1	03/15/96
	5 6 7 4 6 9 8	10/07/97	Zarling et al.	435	7.92	03/30/95

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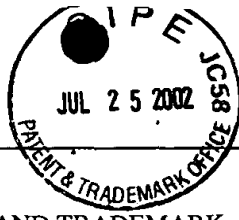

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	5 6 7 5 1 4 5	10/07/97	Toda et al.	250	234	07/03/95
	5 7 6 0 9 5 1	06/02/98	Dixon et al.	359	385	08/30/93
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	5 6 9 1 8 3 9	11/25/97	Kobayashi	359	385	04/11/94
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	5 7 1 3 3 6 4	02/03/98	Debaryshe et al.	128	664	08/01/95
	5 7 4 2 4 1 9	04/21/98	Dickensheets et al.	359	201	12/19/95

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	5 7 7 0 7 3 7	06/23/98	Reinhardt et al.	546	285	09/18/97
	5 7 1 7 5 1 9	02/10/98	Sugiyama et al.	359	368	07/03/96
	5 7 3 7 1 2 1	04/07/98	Dixon	359	388	07/01/96
	5 7 6 0 9 5 0	06/02/98	Maly et al.	359	368	07/25/96
	5 7 6 0 9 0 1	06/02/98	Hill	356	345	01/28/97
	5 7 1 9 3 9 1	02/17/98	Kain	250	235	03/15/96
	5 7 3 6 4 1 0	04/02/98	Zarling et al.	436	172	06/07/95

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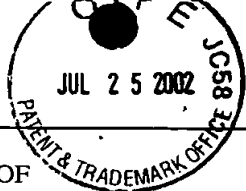
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	5	7	5	5	9	4	3	05/26/98	Middendorf et al.	204	467	07/08/96
	4	9	3	1	2	2	3	06/05/90	Bronstein et al.	252	700	06/30/88
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	4	6	6	1	6	9	9	04/28/87	Welmers et al.	250	235	02/10/86
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OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent Pages, etc.)												
Examiner							Date Considered					
Examiner: Initial if references considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.												